

## Inventor Name Search Result

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Last Name = TOURAPIS

First Name = ALEXANDROS

Application#	Patent#	PG Pub#	Status	Date Filed	Title	Examiner Name	Inventor Name
<a href="#">10186284</a>	<a href="#">7003035</a>	20030142748	150	06/27/2002	VIDEO CODING METHODS AND APPARATUSES	LE,VU	TOURAPIS, ALEXANDROS
<a href="#">10444511</a>	Not Issued	20040001546	161	05/23/2003	Spatiotemporal prediction for bidirectionally predictive (B) pictures and motion vector prediction for multi-picture reference motion compensation	HALLENBECK-HUBER,JEREMIAH	TOURAPIS, ALEXANDROS
<a href="#">10462085</a>	<a href="#">7280700</a>	20040008899	150	06/13/2003	OPTIMIZATION TECHNIQUES FOR DATA COMPRESSION	ALAVI,AMIR	TOURAPIS, ALEXANDROS
<a href="#">10569168</a>	Not Issued	20070019724	41	02/22/2006	Method and apparatus for minimizing number of reference pictures used for inter-coding	BAYARD,EMMANUEL	TOURAPIS, ALEXANDROS
<a href="#">10569236</a>	Not Issued	20070047648	71	02/22/2006	Method and apparatus for encoding hybrid intra-inter coded blocks	BAYARD,EMMANUEL	TOURAPIS, ALEXANDROS
<a href="#">10569319</a>	Not Issued	20070009044	71	02/22/2006	Method and apparatus for decoding hybrid intra-inter coded blocks	BAYARD,EMMANUEL	TOURAPIS, ALEXANDROS
<a href="#">10569695</a>	Not Issued	20060291557	41	02/27/2006	Adaptive reference picture generation	BOCURE,TESFALDET	TOURAPIS, ALEXANDROS
<a href="#">10571148</a>	Not Issued	20070036452	93	03/09/2006	TECHNIQUE FOR SIMULATING FILM GRAIN USING FREQUENCY FILTERING	TORRES,JOSE	TOURAPIS, ALEXANDROS
<a href="#">10572690</a>	Not Issued	20070047658	30	03/21/2006	Video comfort noise addition technique	BOLOURCHI,NADER	TOURAPIS, ALEXANDROS
<a href="#">10591939</a>	Not Issued	20070189392	30	09/07/2006	Reduced resolution update mode for advanced video coding	WILLIAMS,JEFFERY	TOURAPIS, ALEXANDROS
<a href="#">10620320</a>	<a href="#">7154952</a>	20040047418	150	07/15/2003	TIMESTAMP-INDEPENDENT MOTION VECTOR PREDICTION FOR PREDICTIVE (P) AND BIDIRECTIONALLY PREDICTIVE (B) PICTURES	HALLENBECK-HUBER,JEREMIAH	TOURAPIS, ALEXANDROS
<a href="#">11275103</a>	<a href="#">7646810</a>	20060072662	150	12/09/2005	IMPROVED VIDEO CODING	VO,TUNG	TOURAPIS, ALEXANDROS
<a href="#">11440604</a>	Not Issued	20060268166	71	05/24/2006	Method and apparatus for coding motion and prediction weighting parameters	SENFL,BEHROOZ	TOURAPIS, ALEXANDROS
<a href="#">11452043</a>	Not Issued	20060294171	41	06/12/2006	Method and apparatus for video encoding and decoding using adaptive interpolation	DIEP,NHON	TOURAPIS, ALEXANDROS
<a href="#">11465938</a>	Not Issued	20060280253	41	08/21/2006	Timestamp-Independent Motion Vector Prediction for Predictive (P) and Bidirectionally Predictive (B) Pictures	HALLENBECK-HUBER,JEREMIAH	TOURAPIS, ALEXANDROS

<u>11525059</u>	Not Issued	20070014358	41	09/20/2006	Spatiotemporal prediction for bidirectionally predictive(B) pictures and motion vector prediction for multi-picture reference motion compensation	HALLENBECK-HUBER,JEREMIAH	TOURAPIS, ALEXANDROS
<u>11598976</u>	Not Issued	20070127577	30	11/14/2006	Device and method for fast sub sample block-matching motion estimation in video encoders	BANKS HAROLD,MARSHA	TOURAPIS, ALEXANDROS
<u>11662505</u>	Not Issued	20080117976	30	03/12/2007	Method And Apparatus For Fast Mode Decision For Interframes	BANKS HAROLD,MARSHA	TOURAPIS, ALEXANDROS
<u>11662903</u>	Not Issued	20080253456	30	03/25/2008	Video Codec With Weighted Prediction Utilizing Local Brightness Variation	BANKS HAROLD,MARSHA	TOURAPIS, ALEXANDROS
<u>11847211</u>	Not Issued		160	08/29/2007	Multimedia Coding and Decoding with Additional Information Capability		TOURAPIS, ALEXANDROS
<u>12087315</u>	Not Issued	20090010330	30	07/01/2008	Method and Apparatus for Adaptive Weight Selection for Motion Compensated Prediction	BANKS HAROLD,MARSHA	TOURAPIS, ALEXANDROS
<u>12087370</u>	Not Issued	20090010333	30	07/02/2008	Method and Apparatus for Constrained Prediction for Reduced Resolution Update Mode and Complexity Scalability in Video Encoders and Decoders	BANKS HAROLD,MARSHA	TOURAPIS, ALEXANDROS
<u>12087915</u>	Not Issued	20090168884	30	11/04/2008	Method and Apparatus For Reusing Available Motion Information as a Motion Estimation Predictor For Video Encoding	BANKS HAROLD,MARSHA	TOURAPIS, ALEXANDROS
<u>12188919</u>	Not Issued	20090087110	30	08/08/2008	MULTIMEDIA CODING AND DECODING WITH ADDITIONAL INFORMATION CAPABILITY	BELLA,MATTHEW	TOURAPIS, ALEXANDROS
<u>12206477</u>	Not Issued	20090086814	30	09/08/2008	TREATING VIDEO INFORMATION	BANKS HAROLD,MARSHA	TOURAPIS, ALEXANDROS
<u>12206542</u>	Not Issued	20090086816	30	09/08/2008	Video Compression and Transmission Techniques	BANKS HAROLD,MARSHA	TOURAPIS, ALEXANDROS
<u>12223051</u>	Not Issued	20100220939	30	07/18/2008	Method and Apparatus for Edge-Based Spatio-Temporal Filtering	MEHTA,BHAVESH	TOURAPIS, ALEXANDROS
<u>12223413</u>	Not Issued	20090067505	30	07/30/2008	Method and Apparatus for Motion Estimation Using Combined Reference Bi-Prediction	BANKS HAROLD,MARSHA	TOURAPIS, ALEXANDROS
<u>12223890</u>	Not Issued	20100232506	30	08/12/2008	METHOD FOR HANDLING LOCAL BRIGHTNESS VARIATIONS IN VIDEO	BANKS HAROLD,MARSHA	TOURAPIS, ALEXANDROS
<u>12474821</u>	Not Issued	20090245373	30	05/29/2009	VIDEO CODING	BANKS HAROLD,MARSHA	TOURAPIS, ALEXANDROS
<u>12652982</u>	Not Issued	20100171817	20	01/06/2010	CONVERSION, CORRECTION, AND OTHER OPERATIONS RELATED TO MULTIPLEXED DATA SETS		TOURAPIS, ALEXANDROS
<u>12700581</u>	Not Issued	20100135390	30	02/04/2010	VIDEO CODING	BANKS HAROLD,MARSHA	TOURAPIS, ALEXANDROS
<u>12863923</u>	Not Issued	0	20	07/21/2010	ADAPTIVE MOTION INFORMATION COST ESTIMATION WITH DYNAMIC LOOK-UP TABLE UPDATING		TOURAPIS, ALEXANDROS
<u>60187863</u>	Not Issued		159	03/08/2000	Device, method and digital video encoder for block-matching motion estimation		TOURAPIS, ALEXANDROS

<u>60385965</u>	Not Issued		159	06/03/2002	Spatiotemporal prediction for bidirectionally predictive (B) frames and motion vector prediction for multi-frame reference motion compensation		TOURAPIS, ALEXANDROS
<u>60497814</u>	Not Issued		159	08/26/2003	Method and apparatus for adaptively selecting a number of reference pictures for encoders		TOURAPIS, ALEXANDROS
<u>60497816</u>	Not Issued		159	08/26/2003	Method and apparatus for hybrid macroblock modes for video codecs		TOURAPIS, ALEXANDROS
<u>60504575</u>	Not Issued		159	09/17/2003	Video codec architecture using adaptive reference regeneration		TOURAPIS, ALEXANDROS
<u>60505254</u>	Not Issued		159	09/23/2003	Video comfort noise		TOURAPIS, ALEXANDROS
<u>60505260</u>	Not Issued		159	09/23/2003	Video comfort noise		TOURAPIS, ALEXANDROS
<u>60527895</u>	Not Issued		159	12/05/2003	Film grain simulation and comfort noise addition specification for DirecTV A3 system		TOURAPIS, ALEXANDROS
<u>60551417</u>	Not Issued		159	03/09/2004	Reduced resolution slice update mode for advanced video coding		TOURAPIS, ALEXANDROS
<u>60558862</u>	Not Issued		159	04/02/2004	Method and apparatus for complexity scalable codec		TOURAPIS, ALEXANDROS
<u>60610275</u>	Not Issued		159	09/16/2004	Method and apparatus for weighted prediction video code utilizing local brightness variation		TOURAPIS, ALEXANDROS
<u>60610278</u>	Not Issued		159	09/16/2004	Method and apparatus for fast mode decision for interframes		TOURAPIS, ALEXANDROS
<u>60610512</u>	Not Issued		159	09/16/2004	Method and apparatus for rapid video frame and field coding		TOURAPIS, ALEXANDROS
<u>60685261</u>	Not Issued		159	05/26/2005	Method and apparatus for coding motion and prediction weighting parameters		TOURAPIS, ALEXANDROS
<u>60693575</u>	Not Issued		159	06/24/2005	Method and apparatus for video coding and decoding using adaptive interpolation		TOURAPIS, ALEXANDROS
<u>60764253</u>	Not Issued		159	01/31/2006	Method and apparatus for constrained prediction for reduced resolution update mode and complexity scalability in video encoders and decoders		TOURAPIS, ALEXANDROS
<u>60976185</u>	Not Issued		159	09/28/2007	Multimedia Coding and Decoding with Additional Information Capability		TOURAPIS, ALEXANDROS

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Your Search was:

Last Name = MACDONALD

First Name = JILL

Application#	Patent#	PG Pub#	Status	Date Filed	Title	Examiner Name	Inventor Name
<a href="#">10527956</a>	Not Issued	20050238316	41	03/15/2005	Hybrid video on demand using mpeg2 transport	TEKLE,DANIEL	MACDONALD BOYCE, JILL
<a href="#">11919101</a>	Not Issued	20090059010	121	10/23/2007	Method and apparatus for evaluating performance for a video broadcast and/or multicast	SHEPARD,JUSTIN	MACDONALD BOYCE, JILL
<a href="#">12310089</a>	Not Issued	20090245283	61	02/10/2009	METHOD AND APPARATUS FOR REPAIRING SAMPLES INCLUDED IN CONTAINER FILES HAVING LOST PACKETS	ANWAR,MOHAMMAD	MACDONALD BOYCE, JILL
<a href="#">60485891</a>	Not Issued		159	07/09/2003	Video encoder with low complexity noise reduction	.	MACDONALD BOYCE, JILL
<a href="#">10572690</a>	Not Issued	20070047658	30	03/21/2006	Video comfort noise addition technique	BOLOURCHI,NADER	MACDONALD, JILL

Inventor Search Completed: No Records to Display.

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## Inventor Name Search Result

Your Search was:

Last Name = LLACH

First Name = JOAN

Application#	Patent#	PG Pub#	Status	Date Filed	Title	Examiner Name	Inventor Name
<a href="#">10563711</a>	Not Issued	20060193526	161	01/06/2006	Video encoder with low complexity noise reduction	BEKELE,MEKONEN	LLACH, JOAN
<a href="#">10569318</a>	<a href="#">7738721</a>	20060292837	150	02/22/2006	METHOD AND APPARATUS FOR MODELLING FILM GRAIN PATTERNS IN THE FREQUENCY DOMAIN	ENTEZARI,MICHELLE	LLACH, JOAN
<a href="#">10571148</a>	Not Issued	20070036452	93	03/09/2006	TECHNIQUE FOR SIMULATING FILM GRAIN USING FREQUENCY FILTERING	TORRES,JOSE	LLACH, JOAN
<a href="#">10572690</a>	Not Issued	20070047658	30	03/21/2006	Video comfort noise addition technique	BOLOURCHI,NADER	LLACH, JOAN
<a href="#">10572820</a>	Not Issued	20070058878	61	03/22/2006	Method for simulating film grain by mosaicing pre-computer samples	BLOOM,NATHAN	LLACH, JOAN
<a href="#">10575501</a>	<a href="#">7680356</a>	20070058866	150	04/11/2006	TECHNIQUE FOR BIT-ACCURATE COMFORT NOISE ADDITION	BHATNAGAR,ANAND	LLACH, JOAN
<a href="#">10581151</a>	Not Issued	20070117291	161	05/31/2006	Technique for film grain simulation using a database of film grain patterns	ALLISON,ANDRAE	LLACH, JOAN
<a href="#">11246474</a>	Not Issued	20060083314	71	10/07/2005	Methods, apparatus and system for film grain simulation	SHERALL,ISHRAT	LLACH, JOAN
<a href="#">11246848</a>	Not Issued	20060082649	61	10/07/2005	Film grain simulation method	BLOOM,NATHAN	LLACH, JOAN
<a href="#">11251696</a>	Not Issued	20060083426	121	10/17/2005	Method and apparatus for reading film grain patterns in a raster order in film grain simulation	MARTELLO,EDWARD	LLACH, JOAN
<a href="#">11252320</a>	Not Issued	20060083316	61	10/17/2005	Methods for determining block averages for film grain simulation	VANCHY JR,MICHAEL	LLACH, JOAN
<a href="#">11259606</a>	Not Issued	0	168	10/26/2005	Bit-accurate film grain simulation method based on pre-computed transformed coefficients	KOONTZ,TAMMY	LLACH, JOAN
<a href="#">11259646</a>	Not Issued	0	168	10/26/2005	Film grain simulation method based on pre-computed transform coefficients	KOONTZ,TAMMY	LLACH, JOAN
<a href="#">11268070</a>	Not Issued	20060104608	61	11/07/2005	Film grain simulation for normal play and trick mode play for video playback systems	TRAN,PHUOC	LLACH, JOAN
<a href="#">11273067</a>	Not Issued	20060114988	95	11/14/2005	BIT-ACCURATE SEED INITIALIZATION FOR PSEUDO-RANDOM NUMBER GENERATORS USED IN A VIDEO SYSTEM	CHANG,JON	LLACH, JOAN
<a href="#">11284378</a>	Not Issued	20060115175	71	11/21/2005	Methods, apparatus and system for film grain cache splitting for film grain simulation	SHERALL,ISHRAT	LLACH, JOAN



<u>11285540</u>	Not Issued	20060133686	40	11/22/2005	Film grain simulation technique for use in media playback devices	SHERALL,ISHRAT	LLACH, JOAN
<u>11667581</u>	Not Issued	20070297515	30	05/10/2007	Film Grain Simulation Method Based on Pre-Computed Transform Coefficients	BANKS HAROLD,MARSHA	LLACH, JOAN
<u>11667629</u>	Not Issued	20070269125	61	05/11/2007	Bit-Accurate Film Grain Simulation Method Based On Pre-Computed Transformed Coefficients	CHU,RANDOLPH	LLACH, JOAN
<u>11667816</u>	Not Issued	20080192817	30	05/15/2007	Film Grain Sei Message Insertion For Bit-Accurate Simulation In A Video System	BANKS HAROLD,MARSHA	LLACH, JOAN
<u>11667846</u>	Not Issued	20080152250	30	05/16/2007	Low-Complexity Film Grain Simulation Technique	BANKS HAROLD,MARSHA	LLACH, JOAN
<u>12227465</u>	Not Issued	20090251490	30	11/18/2008	Data Hiding Technique	WANG,ANDREW	LLACH, JOAN
<u>12308914</u>	Not Issued	20090278988	30	12/29/2008	Adaptive pixel-based filtering	MEHTA,BHAVESH	LLACH, JOAN
<u>12311266</u>	Not Issued	20090238406	30	03/24/2009	Dynamic state estimation	BELLA,MATTHEW	LLACH, JOAN
<u>12311452</u>	Not Issued	20090324121	30	03/30/2009	Automatic parameter estimation for adaptive pixel-based filtering	MEHTA,BHAVESH	LLACH, JOAN
<u>12312737</u>	Not Issued	20100054536	30	05/22/2009	ESTIMATING A LOCATION OF AN OBJECT IN AN IMAGE	BELLA,MATTHEW	LLACH, JOAN
<u>12312743</u>	Not Issued	20100067802	30	05/22/2009	ESTIMATING A LOCATION OF AN OBJECT IN AN IMAGE	BELLA,MATTHEW	LLACH, JOAN
<u>12312744</u>	Not Issued	20100067803	30	05/22/2009	ESTIMATING A LOCATION OF AN OBJECT IN AN IMAGE	BELLA,MATTHEW	LLACH, JOAN
<u>12448966</u>	Not Issued	20100142808	20	07/16/2009	IDENTIFYING BANDING IN DIGITAL IMAGES	.	LLACH, JOAN
<u>12449046</u>	Not Issued	20090304270	30	07/20/2009	REDUCING CONTOURS IN DIGITAL IMAGES	BALI,VIKKRAM	LLACH, JOAN
<u>12450410</u>	Not Issued	20100098307	30	09/24/2009	METHOD AND APPARATUS FOR DETECTING OBJECTS OF INTEREST IN SOCCER VIDEO BY COLOR	BELLA,MATTHEW	LLACH, JOAN
<u>12451264</u>	Not Issued	20100128789	30	11/03/2009	METHOD AND APPARATUS FOR PROCESSING VIDEO SEQUENCES	BANKS HAROLD,MARSHA	LLACH, JOAN
<u>12460814</u>	Not Issued	20100026887	20	07/24/2009	Method and apparatus for reversible, polynomial based image scaling	.	LLACH, JOAN
<u>12589217</u>	Not Issued	20100080455	61	10/20/2009	Film grain simulation method	BLOOM,NATHAN	LLACH, JOAN
<u>12736408</u>	Not Issued	0	20	10/06/2010	SYSTEM AND METHOD FOR ENHANCING THE VISIBILITY OF AN OBJECT IN A DIGITAL PICTURE	.	LLACH, JOAN
<u>12736496</u>	Not Issued	0	20	10/12/2010	SYSTEM AND METHOD FOR ENHANCING THE VISIBILITY OF AN OBJECT IN A DIGITAL PICTURE	.	LLACH, JOAN
<u>12803370</u>	Not Issued	0	20	06/25/2010	Automatic exposure estimation for HDR images based on image statistics	.	LLACH, JOAN

<u>12803371</u>	Not Issued	0	20	06/25/2010	Automatic exposure estimation for HDR images based on image statistics	LLACH, JOAN
<u>60485891</u>	Not Issued		159	07/09/2003	Video encoder with low complexity noise reduction	LLACH, JOAN
<u>60498945</u>	Not Issued		159	08/29/2003	Automatic film grain modeling in the frequency domain	LLACH, JOAN
<u>60505146</u>	Not Issued		159	09/23/2003	Method for simulating film grain by mosaicing a series of pre-computed samples	LLACH, JOAN
<u>60505254</u>	Not Issued		159	09/23/2003	Video comfort noise	LLACH, JOAN
<u>60511026</u>	Not Issued		159	10/14/2003	Method and apparatus for film grain and comfort noise insertion into digital video	LLACH, JOAN
<u>60527895</u>	Not Issued		159	12/05/2003	Film grain simulation and comfort noise addition specification for DirecTV A3 system	LLACH, JOAN
<u>60540635</u>	Not Issued		159	01/30/2004	Adaptive spatio-temporal filtering for video de-noising	LLACH, JOAN
<u>60581873</u>	Not Issued		159	06/22/2004	Method and apparatus for deblocking of motion compensated pictures	LLACH, JOAN
<u>60619632</u>	Not Issued		159	10/18/2004	Method of film grain simulation implementation for consumer HD DVD players	LLACH, JOAN
<u>60619655</u>	Not Issued		159	10/18/2004	Film grain simulation method for HD DVD systems	LLACH, JOAN
<u>60620702</u>	Not Issued		159	10/21/2004	Adaptive deblocking of block-based film grain patterns	LLACH, JOAN
<u>60627756</u>	Not Issued		159	11/12/2004	Film grain simulation method for normal play trick modes for HD DVD systems	LLACH, JOAN

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